

In the Specification:

Please amend and substitute the following paragraph for the paragraph beginning on page 3, line 11, as follows:

The conductor component can include a conductor housing and a circulation housing that cooperates with the conductor housing to define at least one of the passageways. In one embodiment, the first passageway encircles at least a portion of the second passageway and is substantially coaxial with the second passageway. Further, the first passageway encircles at least a portion of the conductor housing and the conductor housing encircles at least a portion of the second passageway.

Please amend and substitute the following paragraph for the paragraph beginning on page 8, line 27, as follows:

The control system 24 ~~that~~ is connected to the measurement system 22 and receives information from the measurement system 22 and controls the stage mover assemblies 18, 20 to precisely position the reticle 32 and the wafer 34. Further, the control system 24 ~~that~~ is connected to the circulation system(s) 30 and controls the circulation system(s) 30 to control the temperature of the mover(s) 28. The control system 24 can include one or more processors and circuits for performing the functions described herein.

Please amend and substitute the following paragraph for the paragraph beginning on page 15, line 15, as follows:

The control system 24 (illustrated in Figure 1) ~~that~~ is connected to the mover 28 (stage mover assembly 204) and directs and controls electrical current to the conductors 382. The electrical current in the conductors 382 interacts with the magnetic fields that surround the magnets 374 in the magnet arrays 370. When electric current flows in the conductors 382, a Lorentz type force is generated in a direction mutually

perpendicular to the direction of the wires of the conductors 382 and the magnetic field of the magnets 374. This force can be used to move one of the components 352, 354 relative to the other component 354, 352.

Please amend and substitute the following paragraph for the paragraph beginning on page 17, line 11, as follows:

In one embodiment, the flow rates of the fluids 356, 358 are controlled to be different. For example, in alternative embodiments, the flow rate of the first fluid 356 at the first inlet 364A can be at least approximately 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15 liters per minute less ~~and~~ than the flow rate of the second fluid 358 at the second inlet 366A. Stated another way, the flow rate of the first fluid 356 can be controlled to be at least approximately 10, 25, 50, 75 percent less than the flow rate of the second fluid 358.

Please amend and substitute the following paragraph for the paragraph beginning on page 19, line 20, as follows:

In Figure 3D, the first fluid 356 is retained in the first reservoir 388A. Subsequently, the first pump 388B draws the first fluid 356 from the first reservoir 388A and directs the first fluid 356 sequentially through the first inlet tube 392A, the first inlet plenum 392B, the first passageway 364, the first outlet plenum 392C, the first outlet tube 392D, the first temperature adjuster 388C and back to the first reservoir 388A. Somewhat similarly, the second ~~pump~~ pump 390B draws the second fluid 358 from the second reservoir 390A, and directs the second fluid 358 sequentially through the second inlet tube 394A, the second inlet plenum 394B, the second ~~passage~~ passageway 366, the second outlet plenum 394C, the second outlet tube 394D, the second temperature adjuster 390C and back to the second reservoir 390A. Arrows designated 396 illustrate the flow of the first fluid 356 through the conductor component 354 and arrows designated 398 illustrate the flow of the second fluid 358 through the conductor component 354.

Please amend and substitute the following paragraph for the paragraph beginning on page 20, line 20, as follows:

In one embodiment, temperature of the first fluid 456 at the first inlet 464A is higher than the temperature of the second fluid 458 at the second inlet 466A. As an example, in one embodiment, the temperature of the first fluid 456 at the first inlet 464A is approximately at room temperature, the temperature of the second fluid 458 at the second inlet 466A is less than room temperature, and the temperature of the combined fluid 456, 458 exiting the conductor component 454 is approximately at room temperature. As an example, the room temperature is approximately 23 degrees C, the temperature of the first fluid 456 at the first inlet 464A is approximately 22 degrees C, the temperature of the second fluid 458 at the second inlet 466A is approximately ten degrees C, and the temperature of the combined fluid ~~456A, 458A~~ 456, 458 is approximately twenty-three degrees C. In this embodiment, the temperature of the second fluid 458 is controlled so that the temperature of the combined fluid 456, 458 at the outlets 464B, 466B is approximately equal to the room temperature.

Please amend and substitute the following paragraph for the paragraph beginning on page 22, line 8, as follows:

Figure 5A is a perspective view of another embodiment of a mover combination 526 including a mover 528 and a circulation system 530 having features of the present invention. In this embodiment, the mover 528 is a voice coil motor and includes a magnet component 552, and a conductor component 554 that interacts with the magnet component 552. A voice coil ~~mover~~ motor is a short stroke electromagnetic mover in which the current is a function of the required force only and not the relative position between the conductor and the magnet component. In Figure 5A, the conductor component 554 moves linearly along the Y axis relative to the stationary magnet component 552. Further, the magnet component 552 and the conductor component 554 are shorter than the corresponding components described above. The circulation system 530 is similar to the circulation system 530 described above and illustrated in

Figure 3D. In particular, the circulation system 530 directs a first fluid 556 and a second fluid 558 to the mover 528.